



SEQUENCE LISTING

<110> Daly, John Michael

<120> Constructs for Gene Expression Analysis

<130> 12177722

<140> Unassigned

<141> 2003-09-09

<150> USSN 60/274770

<151> 2001-03-09

<150> PCT/AU02/00351

<151> 2001-03-08

<160> 57

<170> PatentIn version 3.2

<210> 1

<211> 9

<212> RNA

<213> mammalian

<400> 1

uuauuuauu

9

<210> 2

<211> 9

<212> RNA

<213> mammalian

<400> 2

uuauuuaww

9

<210> 3

<211> 5

<212> RNA

<213> mammalian

<400> 3

aauua

5

<210> 4

<211> 4

<212> RNA

<213> mammalian

<400> 4

aauu

4

<210> 5		
<211> 13		
<212> RNA		
<213> Artificial Sequence		
<220>		
<223> AUUUAx3 Version 1		
<400> 5		
auuuaauuuau uua		13
<210> 6		
<211> 15		
<212> RNA		
<213> Artificial Sequence		
<220>		
<223> AUUUAx3 Version 2		
<400> 6		
auuuaauuuua auuua		15
<210> 7		
<211> 6		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> HindIII site		
<400> 7		
aagctt		6
<210> 8		
<211> 129		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Clontech's d1 mutant of MODC		
<400> 8		
aagcttagcc atggcttccc gccggcggtg gcggcgcagg atgatggcac gctgcccatg		60
tcttgtcccc aggagagcgg gatggaccgt caccctgcag cctgtgcttc tgctaggatc		120
aatgtgttag		129
<210> 9		
<211> 56		
<212> RNA		
<213> Artificial Sequence		

```

<220>
<223> RNA destabilising linker

<400> 9
uuauuuauug gcgguaauuu auucggcgua auuuauugcg cguuaauuaau uacuag      56

<210> 10
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> EclHK1 recognition sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> n = any nucleotide

<400> 10
gacnnnnnngt c      11

<210> 11
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> EclHK1 recognition sequence Example 1

<220>
<221> misc_feature
<222> (4)..(5)
<223> n = any nucleotide

<220>
<221> misc_feature
<222> (7)..(8)
<223> n = any nucleotide

<400> 11
gacnntnnngt c      11

<210> 12
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> EclHK1 recognition sequence Example 2

```

```

<220>
<221> misc_feature
<222> (4)..(5)
<223> n = any nucleotide

<220>
<221> misc_feature
<222> (7)..(8)
<223> n = any nucleotide

<400> 12
gacnnanngt c 11

<210> 13
<211> 9
<212> DNA
<213> mammalian

<400> 13
ttatttattt 9

<210> 14
<211> 75
<212> DNA
<213> mammalian

<400> 14
aaaacgtttt attgtgtttt taatttattt attaagatgg attctcagat atttatattt 60
ttattttattt ttttt 75

<210> 15
<211> 226
<212> DNA
<213> mammalian

<400> 15
atgcatgatc aaatgcaacc tcacaacctt ggctgagtct tgagactgaa agatttagcc 60
ataatgtaaa ctgcctcaaa ttggactttg ggcataaaag aactttttta tgcttaccat 120
cttttttttt tctttaacag atttgtattt aagaattgtt tttaaaaaat tttaagattt 180
acacaatgtt tctctgtaaa tattgccatt aaatgtaaat aacttt 226

<210> 16
<211> 73
<212> DNA
<213> mammalian

<400> 16
gtatgtttaa attattttta tacactgccc tttcttacct ttctttacat aattgaaata 60

```

ggtatcctga cca	73
<210> 17	
<211> 53	
<212> RNA	
<213> mammalian	
<400> 17	
aguauauuu auauauuuau auuuuuaaaa uauuuauuuua uuuauuuauuu uaa	53
<210> 18	
<211> 53	
<212> DNA	
<213> mammalian	
<400> 18	
agtaatattt atatattttat atttttaaaa tatttattta ttatatttatt taa	53
<210> 19	
<211> 73	
<212> DNA	
<213> mammalian	
<400> 19	
aacgttttat tgtgtttta atttattttat taagatggat tctcagatat ttatatttt	60
attttatttt ttt	73
<210> 20	
<211> 70	
<212> DNA	
<213> mammalian	
<400> 20	
tttatttg ttttaattt atttattaag atggattctc agatatttattt atttttattt	60
tatttttttt	70
<210> 21	
<211> 89	
<212> RNA	
<213> mammalian	
<400> 21	
uuucguuaac uguguaugua cauauauaua uuuuuuuuaauu ugauuaaggc ugauuacugu	60
gaauaaacag cuucaugccu uuguaaguu	89
<210> 22	
<211> 89	
<212> DNA	

<213>	mammalian					
<400>	22					
tttcgttaac	tgtgtatgta	catatatata	tttttaatt	tgattaaagc	tgattactgt	60
gaataaacag	cttcatgcct	ttgtaagtt				89
<210>	23					
<211>	6					
<212>	RNA					
<213>	mammalian					
<400>	23					
aauaaaa						6
<210>	24					
<211>	89					
<212>	RNA					
<213>	Artificial Sequence					
<220>						
<223>	Mutant of Peng c-jun ARE					
<400>	24					
uuucguuaac	uguguaugua	cauauauaua	uuuuuuuaauu	ugauuuaagc	ugauuacugu	60
ggauccacag	cuucaugccu	uuguaaguu				89
<210>	25					
<211>	89					
<212>	DNA					
<213>	Artificial Sequence					
<220>						
<223>	DNA encoding mutant of Peng c-jun ARE					
<400>	25					
tttcgttaac	tgtgtatgta	catatatata	tttttaatt	tgattaaagc	tgattactgt	60
ggatccacag	cttcatgcct	ttgtaagtt				89
<210>	26					
<211>	36					
<212>	RNA					
<213>	mammalian					
<400>	26					
ucuauuuauu	aauauuuuac	auuauuuaua	uaugggg			36
<210>	27					
<211>	36					
<212>	DNA					

<213>	mammalian					
<400>	27					
tctatttatt	aatatttaac	attatttata	tatggg	36		
<210>	28					
<211>	124					
<212>	RNA					
<213>	mammalian					
<400>	28					
cucuauuuau	uuaaaauuuu	aacuuuaauu	uauuuuugga	uguauuguuu	acuaacuuuu	60
agugcuuccc	acuuaaaaaca	uaucaggcuu	cuauuuauuu	aaauauuuua	auuuuauauu	120
uauu						124
<210>	29					
<211>	124					
<212>	DNA					
<213>	mammalian					
<400>	29					
ctctatttat	ttaaatattt	aacttaatt	tattttgga	tgtattgtt	actaactttt	60
agtgcctccc	actaaaaaca	tatcaggctt	ctatttattt	aaatatttaa	attttatatt	120
tatt						124
<210>	30					
<211>	46					
<212>	RNA					
<213>	mammalian					
<400>	30					
auaaaccua	auuuuuuuua	uuuaaguaca	uuuugcuuuu	aaaguu	46	
<210>	31					
<211>	46					
<212>	DNA					
<213>	mammalian					
<400>	31					
ataaaccccta	attttttta	tttaagtaca	tttgcttt	aaagtt	46	
<210>	32					
<211>	119					
<212>	RNA					
<213>	mammalian					
<400>	32					
uagaauauuu	auuaccucug	auaccucaac	ccccauuuucu	auuuauuuac	ugagcuucuc	60

ugugaacgau uuagaaagaa gcccaaauuu auaauuuuuu ucaauuuua uuauuuuca	119
<210> 33	
<211> 119	
<212> DNA	
<213> mammalian	
<400> 33	
tagaatattt attacctctg atacctaacc ccccatatttctt atttattttac tgagcttc	60
tgtgaacgat ttagaaagaa gcccaatattt ataattttt tcaatattta ttattttca	119
<210> 34	
<211> 105	
<212> RNA	
<213> mammalian	
<400> 34	
ucagcuauuu acugccaaag ggaaauauca uuuauuuuuu acauuuuuaa gaaaaaagau	60
uuauuuuuu aagacaguucc caucaaaacu ccgucuuugg aaauc	105
<210> 35	
<211> 105	
<212> DNA	
<213> mammalian	
<400> 35	
ttagctattt actgccaaag ggaaatatca tttatTTTTT acattattaa gaaaaaagat	60
ttatTTTTT aagacagtcc catcaaaact ccgtcttgg aaatc	105
<210> 36	
<211> 34	
<212> RNA	
<213> mammalian	
<400> 36	
auuaauuuauu auuuauuuau uauuaauuuua uuuu	34
<210> 37	
<211> 34	
<212> DNA	
<213> mammalian	
<400> 37	
attatTTTTT atttatTTTTT tatTTTTTttt ttta	34
<210> 38	
<211> 55	

```

<212> RNA
<213> mammalian

<400> 38
uauuuuauuc cauuaaggcu auuuauuuau guauuuauugu auuuauuuau uuauu 55

<210> 39
<211> 55
<212> DNA
<213> mammalian

<400> 39
tattttattc cattaaggct atttatttat gtatttatgt atttatttat ttatt 55

<210> 40
<211> 9
<212> DNA
<213> mammalian

<400> 40
ttatttaww 9

<210> 41
<211> 5
<212> DNA
<213> mammalian

<400> 41
attna 5

<210> 42
<211> 4
<212> DNA
<213> mammalian

<400> 42
attn 4

<210> 43
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Consensus DST sequence

<220>
<221> misc_feature
<222> (5)..(5)
<223> n = from 2-9 nucleotides, wherein each individual nucleotide can
be any nucleotide

```

```
<220>
<221> misc_feature
<222> (15)..(15)
<223> n = from 3-8 nucleotides, wherein each individual nucleotide can
be any nucleotide
```

```
<400> 43
ggagncatag attanmwtt tgtay
```

25

```
<210> 44
<211> 25
<212> DNA
<213> Soybean
```

```
<220>
<221> misc_feature
<222> (5)..(5)
<223> n = 5 nucleotides , wherein each individual nucleotide can be any
nucleotide
```

```
<220>
<221> misc_feature
<222> (15)..(15)
<223> n =8 nucleotides , wherein each individual nucleotide can be any
nucleotide
```

```
<400> 44
ggagncatag attanaaatt tgtac
```

25

```
<210> 45
<211> 25
<212> DNA
<213> Arabidopsis
```

```
<220>
<221> misc_feature
<222> (5)..(5)
<223> n = 9 nucleotides , wherein each individual nucleotide can be any
nucleotide
```

```
<220>
<221> misc_feature
<222> (15)..(15)
<223> n = 8 nucleotides , wherein each individual nucleotide can be any
nucleotide
```

```
<400> 45
ggaancatag atcgncaatg cgtat
```

25

```
<210> 46
<211> 30
```

<212> RNA		
<213> mammalian		
<400> 46		
guucuugcuu caacaguguu ugaacggaac		30
<210> 47		
<211> 30		
<212> DNA		
<213> mammalian		
<400> 47		
gttcttgctt caacagtgtt tgaacggaac		30
<210> 48		
<211> 29		
<212> RNA		
<213> mammalian		
<400> 48		
gauuaucggg agcagugucu uccauaauc		29
<210> 49		
<211> 29		
<212> DNA		
<213> mammalian		
<400> 49		
gattatcggg agcagtgtct tccataatc		29
<210> 50		
<211> 226		
<212> DNA		
<213> mammalian		
<400> 50		
atgcatgatc aaatgcaacc tcacaacctt ggctgagtct tgagactgaa agatttagcc		60
ataatgtaaa ctgcctcaaa ttggactttg ggcataaaag aactttttta tgcttaccat		120
cttttttttt tcttaacag atttgtatTT aagaattgtt tttaaaaaat tttaagatTT		180
acacaatgtt tctctgtaaa tattgccatt aaatgtaaat aacttt		226
<210> 51		
<211> 30		
<212> RNA		
<213> mammalian		
<220>		
<221> misc_feature		

<222> (4)..(4)
<223> n = from 20-40 nucleotides, wherein individual nucleotides are selected from any nucleotide

<220>
<221> misc_feature
<222> (19)..(19)
<223> n is a, c, g, or u

<400> 51
uganccaaag gyyyuuyuna rrrccaccca

30

<210> 52
<211> 30
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> (4)..(4)
<223> n = from 20-40 nucleotides, wherein individual nucleotides are selected from any nucleotide

<220>
<221> misc_feature
<222> (19)..(19)
<223> n is a, c, g, or t

<400> 52
tganccaaag gyyyttytta rrrccaccca

30

<210> 53
<211> 16
<212> RNA
<213> mammalian

<220>
<221> misc_feature
<222> (5)..(5)
<223> n = any number of nucleotides, wherein individual nucleotides are selected from any nucleotide

<220>
<221> misc_feature
<222> (11)..(11)
<223> n = any number of nucleotides, wherein individual nucleotides are selected from pyrimidines

<400> 53
yccancccw yucycc

16

<210> 54

<211> 46
<212> DNA
<213> mammalian

<400> 54
cctcctgccc gctgggcctc ccaacgggcc ctccctccct ccttgc 46

<210> 55
<211> 5
<212> DNA
<213> mammalian

<400> 55
cctcc 5

<210> 56
<211> 9
<212> DNA
<213> mammalian

<400> 56
cctcctgcc 9

<210> 57
<211> 14
<212> DNA
<213> mammalian

<400> 57
ccctcctccc ctgg 14